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STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

Twin Renowt	Contract RD-103, Task Order 3
Titp Report,	Contract in-105, lask Order 5
1 0m (2 December 1050 a minth and well 11
	2 December 1957, a visit was made to the in Los Angeles, California. The primary purpose of
this visit wa	as to demonstrate the AS-4 equipment to two
	rganization representatives present at the conference
were:	
2.	opened the meeting with a rather complete
description of	of the operational and technical characteristics of
description of the AS-4A sys	opened the meeting with a rather complete of the operational and technical characteristics of stem. Following the discussion, the group went to ry where the equipment is presently about 80% complete.
description of the AS-4A sys the laborator	of the operational and technical characteristics of stem. Following the discussion, the group went to ry where the equipment is presently about 80% complete. emonstration of the AS-4A equipment operating from the
description of the AS-4A sys the laborator 3. A de high speed ta	of the operational and technical characteristics of stem. Following the discussion, the group went to ry where the equipment is presently about 80% complete. emenstration of the AS-4A equipment operating from the ape reader through the entire system and perforating
description of the AS-4A sys the laborator 3. A de high speed ta on the Sorobs operation, a	of the operational and technical characteristics of stem. Following the discussion, the group went to ry where the equipment is presently about 80% complete. emenstration of the AS-AA equipment operating from the ape reader through the entire system and perforating an high-speed perforator was conducted. During the noise generator was set to completely "knock out" one
description of the AS-4A sys the laborator 3. A de high speed to on the Sorobs operation, a channel of QF	of the operational and technical characteristics of stem. Following the discussion, the group went to ry where the equipment is presently about 80% complete. emenstration of the AS-4A equipment operating from the ape reader through the entire system and perforating an high-speed perforator was conducted. During the noise generator was set to completely "knock out" one FM information. When the noise was inserted into the
description of the AS-4A systhe laborator 3. A dehigh speed ta on the Sorobs operation, a channel of Quicircuit, the correcting system.	of the operational and technical characteristics of stem. Following the discussion, the group went to ry where the equipment is presently about 80% complete. emenstration of the AS-4A equipment operating from the ape reader through the entire system and perforating an high-speed perforator was conducted. During the noise generator was set to completely "knock out" one M information. When the noise was inserted into the system made three character errors; then the error yetem reconstituted the missing channel and the system
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description of the AS-4A systhe laborator 3. A definition of the Sorobs operation, a channel of Quircuit, the correcting sycontinued to 4. The	of the operational and technical characteristics of stem. Following the discussion, the group went to ry where the equipment is presently about 80% complete. emenstration of the AS-4A equipment operating from the ape reader through the entire system and perforating an high-speed perforator was conducted. During the noise generator was set to completely "knock out" one FM information. When the noise was inserted into the system made three character errors; then the error ystem reconstituted the missing channel and the system operate error free from that point.
description of the AS-4A systhe laborator 3. A definition of the Sorobs operation, a channel of QF circuit, the correcting sy continued to 4. The and said that	of the operational and technical characteristics of stem. Following the discussion, the group went to ry where the equipment is presently about 80% complete. Emenstration of the AS-4A equipment operating from the ape reader through the entire system and perforating an high-speed perforator was conducted. During the noise generator was set to completely "knock out" one FM information. When the noise was inserted into the system made three character errors; then the error system reconstituted the missing channel and the system operate error free from that point.





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MEMORANT	UM FOR THE RECORD	CONFIDEN	TIAL
FROM:			
SUBJECT:	Los Angeles Trip use with AS-4A	for maintenance Transmitter and	of two KX-3 equipments for Receiver Units.
	my arrival to the		found that the two KX-3's
circuit of any f this lat Although were all alarm. this uni zeroized cipher v then wor	activating the masilement to cathode ter circuit blasin resistors were wint in the same directors correct, the cit are very critical. Due to a bad gas erification alarmaked properly.	ster alarm, although the shorts. Found to get a output tube thin their rated tion, which was a reuit had to be a left.) After this case tube in one of was indicated.	ment to cathode short alarm igh there were no indications coltage divider network from in a conducting condition. tolerances, the tolerances mough to activate master rebuilt. (Alarm circuits in correction, the KX-3 was the key generators, the lifter it was replaced, set
button w from the cation a a high f trouble hundred	as operated manual AS-MA transmitter larm. We found th orward resistance. was cleared (cryst	ly, but as soon; data unit, it we e reset diode in Replaced with a al diodes in this ggest these diode	if the zeroize and start as we put it on the automatic, ould indicate cipher verifi- the power supply had developed a silicon diode IN-67-A and the a set seem to go bad after one as be replaced with silicon diodes add.
volts up		and it more sensi	varying line voltage from 10/ ltive to lower line voltages
in trans		eeding another K	mitter data working into a KX-3 K-3 in the receive condition.
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